

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 79-83

NPDES PERMIT NO. CA0027804

WASTE DISCHARGE REQUIREMENTS FOR:

PORT COSTA PRODUCTS COMPANY  
PORT COSTA, CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Port Costa Products Company, hereinafter called the discharger, submitted a report of waste discharge (NPDES Short Form C) dated January 31, 1979.
2. The discharger manufactures bricks and lightweight aggregate.
3. Waste 001 consists principally of stormwater runoff with a small quantity of water from a truck washing station and aggregate vacuum moisturizer. The waste enters a storm drain and passes through a settling basin to discharge to Carquinez Strait, a water of the United States, at a point  $1\frac{1}{2}$  miles east of the town of Port Costa.
4. Cooling water and kiln dust scrubber water are completely recycled through a 20,000 gallon steel settling tank; recovered solids are used in the aggregate extrusion process. Sanitary wastes are discharged to a septic tank leach field system.
5. The discharger proposes to discharge stormwater accumulated in material transfer tunnel that underlies the stockpile. This stormwater (waste 002) would be pumped to the same storm drain to which waste 001 discharges.
6. Discharge of cooling and Kiln dust scrubber waters in violation of the discharger's original NPDES permit (Order 74-90) resulted in issuance of a Cease and Desist Order (Order 75-73) by the Board on November 18, 1975. Subsequent staff inspection has verified that these wastes are being recycled without discharge and that the requirements of the Cease and Desist Order have been met.
7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
8. The Board, in April, 1975, adopted the Water Quality Control Plan for the San Francisco Bay Basin.

9. The beneficial uses of Carquinez Strait are:

- a. Recreation
- b. Fish migration
- c. Habitat for wildlife and estuarine organisms
- d. Industrial water supply
- e. Esthetic enjoyment
- f. Navigation

10. Effluent limitation and toxic effluent standards established pursuant to Sections 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.

11. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

12. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Port Costa Products Company, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Federal Water Pollution Control Act, and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of waste 001 and waste 002 containing constituents in excess of the following limits is prohibited:

<u>Constituent</u>	<u>Units</u>	<u>Daily Maximum</u>
Settleable Matter	ml/l-hr	.4

B. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in water of the state at any place.
- a. Floating, suspended, or deposited macroscopic particulate matter or foam;
  - b. Bottom deposits or aquatic growths;
  - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;

- e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentrations.
2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State at any place within one foot of the water surface:
  - a. Dissolved oxygen                      7.0 mg/l minimum. Annual median - 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
  - b. Dissolved sulfide                      0.1 mg/l maximum.
  - c. pH                                      Variation from natural ambient pH by more than 0.2 pH units.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Discharge Prohibitions

1. The discharge of cooling water, kiln dust scrubber water, or aggregate extrusion process water to waters of the State is prohibited.
2. The discharge of waste 002 from May 15 to September 30 is prohibited.

D. Provisions

1. Neither the treatment nor the disposal of pollutants shall create a nuisance as defined in the California Water Code.
2. Pumping from material transfer tunnel shall be done in a manner so as to prevent resuspension and discharge of sediment.
3. The capacity of the settling basin shall be maintained by periodic sediment removal when deposition depth exceeds 6" above the basin's inlet invert.

4. This permit may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et. al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:
  - (1) is different in conditions or more stringent than any effluent limitation in the permit; or
  - (2) controls any pollutant not limited in the permit.
5. Orders 74-90 and 75-73 are hereby rescinded.
6. This Order includes all provisions of the attached "Standard Provisions, Reporting Requirements, and Definitions," dated April 1977, except A5, A12, B2, B3, B5.
7. This order expires on July 17, 1984, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.
8. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator, U. S. Environmental Protection Agency, has no objections.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on July 17, 1979.

FRED H. DIERKER  
Executive Officer

Attachments:

Standard Provisions, Reporting Requirements  
and Definitions, Dated April 1977  
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

PORT COSTA PRODUCTS COMPANY

PORT COSTA, CONTRA COSTA COUNTY

NPDES NO. CA 0027801

ORDER NO. 79-83

CONSISTS OF

PART A, 1/78

AND

PART B

## PART B

### I. DESCRIPTION OF SAMPLING STATIONS

#### A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At a point where stormwater runoff from the west side of the site enters the storm drain.
E-002	At any point in the piping system between the material transfer tunnel (reclaim tunnel) and the point of discharge.
E-003	At a point in the discharge stream from the settling basin to which wastes 001 and 002 are tributary.

#### B. POND INLET

<u>Station</u>	<u>Description</u>
P-001	At the inlet invert of the settling basin.

#### C. MATERIAL TRANSFER TUNNEL

<u>Station</u>	<u>Description</u>
T-001	At a point in the material transfer tunnel (reclaim tunnel) representative of the water to be discharged.

### II. SCHEDULE OF SAMPLING AND ANALYSIS

The schedule of sampling and analysis shall be that given as Table I.

### III. MODIFICATIONS OF PART A

Part A of this monitoring program shall not include the following paragraphs:

C.1, C.3, C.4, C.5.a, C.5.c, C.5.d, C.5.e, D.1, D.2.a, D.3, D.4, E.1, E.2, E.4, and F.3.g.

### IV. MISCELLANEOUS

1. Compliance with effluent limit A.1 of the discharger's NPDES permit shall be determined at station T-001 (reclaim tunnel) prior to discharge. Analysis performed by qualified personnel of the discharger may be used to determine compliance, provided that a duplicate sample is sent to a certified laboratory for subsequent confirmation. All analyses shall be reported in the discharger's monthly report.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-83.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer

DATE ORDERED \_\_\_\_\_

Attachment:  
Table I

TABLE I  
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-001	E-002		E-003	T-001	P-001			
TYPE OF SAMPLES	G	C	G		G				
Flow Rate (gallons per day)		D <sup>(1)</sup>							
Settleable Matter (ml/l-hr)	2/M		2/M		D				
Oil and Grease (mg/l)				M					
All Applicable Standard Observations									
Sediment Depth Measurement						D <sup>(3)</sup>			

LEGEND

G = Grab Sample

C = Continuous

2/M = Twice a month during rainstorms or periods of heavy discharge

FOOTNOTES

(1) Flow shall be continuously measured and reported on a daily basis.

(2) A grab sample from the piping system shall be taken prior to cessation of pumping.

(3) Depth of sediment above invert in inches shall be reported daily during the rainy season and monthly during the summer.